

Name: \_\_\_\_\_

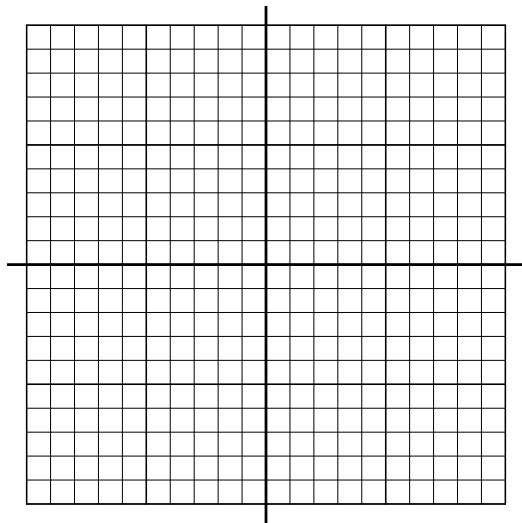
Date: \_\_\_\_\_

## PCW\_\_09\_\_29: Graph Parent Translations (version 11)

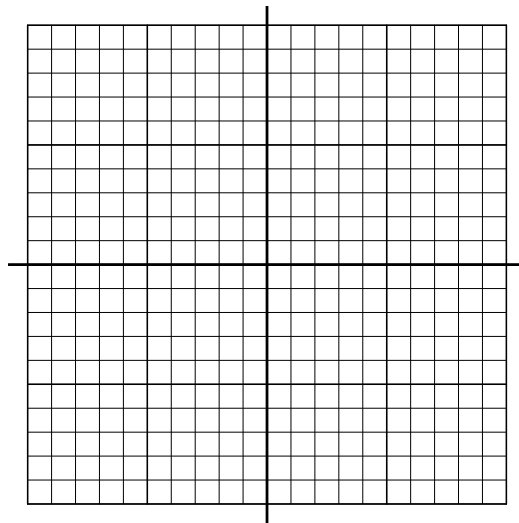
Graph each equation. Let the  $y$  axis be vertical and the  $x$  axis be horizontal. Also, let both axes be at unit scale, so each goes from  $-10$  to  $10$ .

Clearly mark every solution where  $x$  and  $y$  are both integers with a small dot along the curve.

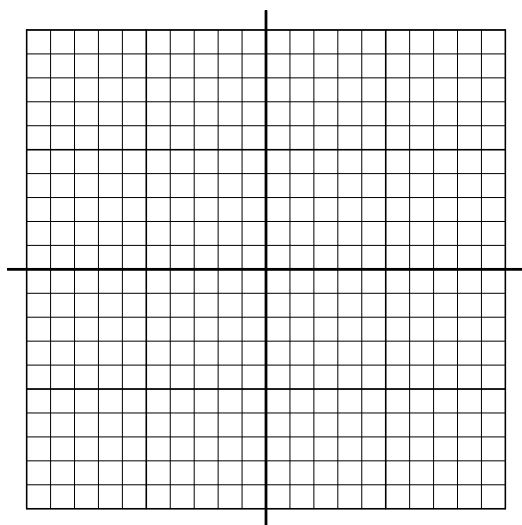
$$y = (x - 5)^2 - 3$$



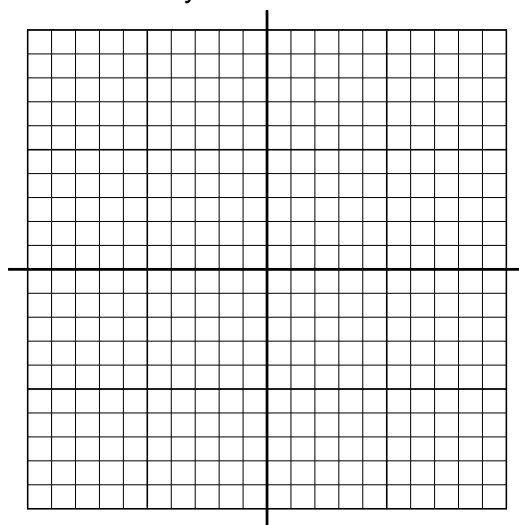
$$y = \log_2(x - 5) - 2$$



$$y = |x - 3| + 5$$

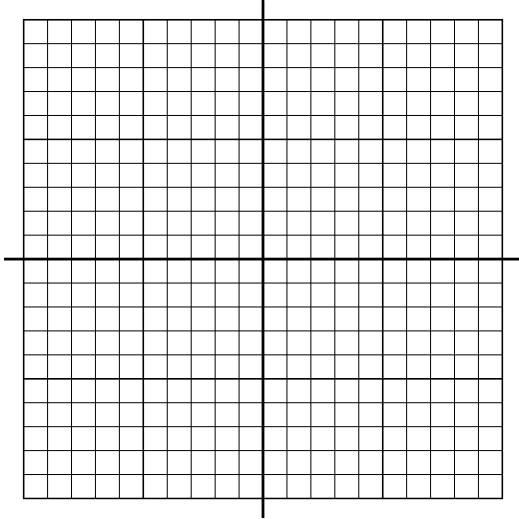


$$y = \sqrt[3]{x + 4} - 1$$

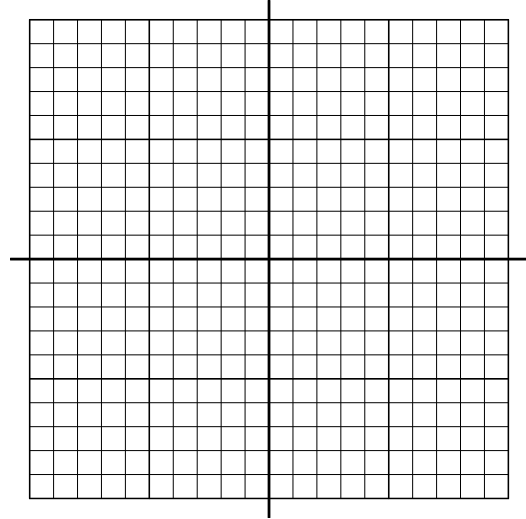


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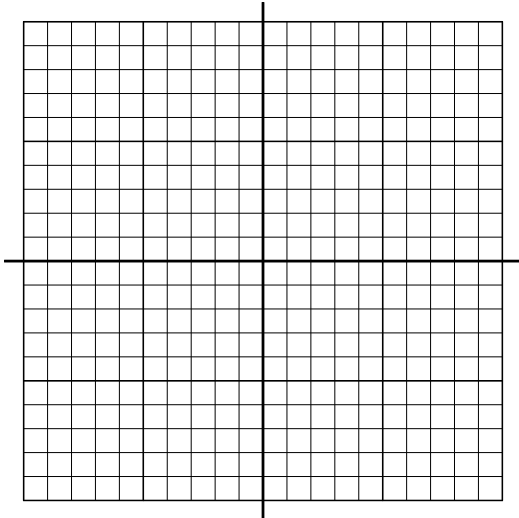
$$y = \sqrt{x+2} - 4$$



$$y = 2^{x+2} + 1$$



$$y = (x-1)^3 + 4$$



$$y = \frac{1}{x-5} + 1$$

